

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-36. (cancelled)

37. (new) A process for restoring a mineralized substance in the dental field, said process comprising the steps of:

providing an aqueous liquid part;

providing a solid part including calcium carbonate and at least one silicate selected from tricalcium silicate and dicalcium silicate;

providing calcium chloride and a water-reducing agent, both contained in at least one of the aqueous liquid and solid parts; and

obtaining a tooth-restoration material by mixing the solid part and the liquid part.

38. (new) A process according to claim 37, wherein said tooth-restoration material obtaining step comprises mixing the solid part and the liquid part using means for transmitting a high energy to said mixture in order to obtain a uniform paste.

39. (new) A process according to claim 37, wherein said tooth-restoration material obtaining step comprises mixing the solid part and the liquid part extemporaneously, and further comprising placing the tooth-restoration material thus obtained in a location for dental work to be carried out.

40. (new) A process according to claim 37, further comprising using the tooth-restoration material with an amalgam carrier.

41. (new) A process according to claim 37, further comprising using the tooth-restoration material for the restoration of posterior teeth.

42. (new) A process according to claim 37, wherein the tooth-restoration material obtaining step comprises obtaining a tooth-restoration material having a setting time compatible with a handling time by a dental practitioner.

43. (new) A process according to claim 37, wherein the solid part providing step comprises providing a solid part containing between 70% and 99% by weight of at least one of dicalcium and tricalcium silicate, and between 1 and 30% by weight of calcium carbonate, said weight percents being given on the basis of all of constituents of the solid part.

44. (new) A process according to claim 37, wherein the solid part providing step comprises providing a solid part which further includes zirconium oxide in an amount between 0 and 15% by weight of all of the constituents of the solid part.

45. (new) A process according to claim 37, wherein the liquid part providing step comprises providing a liquid part containing calcium chloride dihydrate ($\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$) with a content between 1 and 35% by weight with respect to a total volume of the liquid part.

46. (new) A process according to claim 45, wherein said liquid

part providing step comprises providing a liquid part wherein said calcium chloride dihydrate ($\text{CaCl}_2, 2\text{H}_2\text{O}$) is present in a content between 9 and 25% by weight with respect to the total volume of the liquid part.

47. (new) A process according to claim 37, wherein the solid part providing step comprises providing a solid part containing calcium chloride dihydrate ($\text{CaCl}_2, 2\text{H}_2\text{O}$) with a content between 0.1 and 10% by weight of all of constituents of the solid part.

48. (new) A process according to claim 47, wherein said solid part providing step comprises providing said solid part with calcium chloride dihydrate ($\text{CaCl}_2, 2\text{H}_2\text{O}$) present in an amount between 0.9 and 7.5%.

49. (new) A process according to claim 37, wherein the liquid part providing step comprises providing a liquid part containing a water-reducing agent in a proportion between 0.1 and 10% by weight of a total volume of the liquid part.

50. (new) A process according to claim 49, wherein said liquid part providing step comprises providing said water-reducing agent in an amount from 1.0 to 5.0% by weight of the total volume of the liquid part.

51. (new) A process according to claim 49, wherein said liquid part providing step comprises providing said water-reducing agent in an amount from 2.0 to 4.0% by weight of the total volume of the liquid part.

52. (new) A process according to claim 37, wherein the solid

part providing step comprises providing a solid part including a water-reducing agent in a proportion between 0.01 and 3% by weight of all of constituents of the solid part.

53. (new) A process according to claim 52, wherein said solid part providing step comprises providing said water-reducing agent in an amount from 0.15 to 1.25% by weight of all the constituents of the solid part.

54. (new) A process according to claim 52, wherein said solid part providing step comprises providing said water-reducing agent in an amount from 0.38 to 0.84% by weight of all the constituents of the solid part.

55. (new) A process according to claim 49, wherein the water reducing agent providing step comprises providing a plasticizer.

56. (new) A process according to claim 55, wherein the water-reducing agent providing step comprises providing a plasticizer selected from the group consisting of polynaphthalene sulfonate and a modified polycarboxylate-based plasticizer.

57. (new) A process according to claim 52, wherein the water-reducing agent providing step comprises providing a plasticizer.

58. (new) A process according to claim 57, wherein the water-reducing agent providing step comprises providing a plasticizer selected from the group consisting of polynaphthalene sulfonate and a modified polycarboxylate-based plasticizer.

59. (new) A process according to claim 37, further comprising

providing the liquid part and the solid part in a liquid part/solid part mass ratio between 0.1 and 0.3.

60. (new) A process according to claim 59, wherein the liquid part and solid part providing step comprises providing the liquid part and the solid part in a liquid part/solid part mass ratio between 0.15 and 0.25.

61. (new) A process according to claim 59, wherein the liquid part and solid part providing steps comprises providing a liquid part/solid part mass ratio between 0.17 and 0.23.

62. (new) A process according to claim 37, wherein said solid part providing step comprises providing at least 90% of the particles of each of the constituents of the solid part has a particle size of less than 10 μm .

63. (new) A process according to claim 37, wherein the tooth-restoration material obtaining step comprises obtaining a tooth-restoration material which is an apical sealing cement, a dentino-cemental substitute, a cavity-lining material, or a filling material for jaw bones.

64. (new) A process according to claim 37, wherein the solid part providing step comprises providing a solid part which further includes a radio-opacity increasing agent in order to improve radiographic control for restoration of the mineralized substance.